

> d hist

(FILE 'HOME' ENTERED AT 16:54:39 ON 01 OCT 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:54:47 ON 01 OCT 2003

SEA AGARICUS AND CULTUR? AND YEAST EXTRACT

-----  
1 FILE AGRICOLA  
2 FILE BIOSIS  
7 FILE BIOTECHABS  
7 FILE BIOTECHDS  
7 FILE CABA  
1 FILE CROPU  
1 FILE FROSTI  
4 FILE FSTA  
3 FILE IFIPAT  
5 FILE JICST-EPLUS  
3 FILE LIFESCI  
2 FILE PASCAL  
1 FILE PROMT  
3 FILE SCISEARCH  
71 FILE USPATFULL  
2 FILE USPAT2  
7 FILE WPIDS  
7 FILE WPINDEX

L1 QUE AGARICUS AND CULTUR? AND YEAST EXTRACT

-----  
SEA EDIBL? AND L1

-----  
2 FILE BIOTECHABS  
2 FILE BIOTECHDS  
6 FILE CABA  
1 FILE FROSTI  
4 FILE FSTA  
1 FILE IFIPAT  
4 FILE JICST-EPLUS  
1 FILE LIFESCI  
2 FILE PASCAL  
1 FILE PROMT  
2 FILE SCISEARCH  
23 FILE USPATFULL  
1 FILE USPAT2  
2 FILE WPIDS  
2 FILE WPINDEX

L2 QUE EDIBL? AND L1

-----  
FILE 'BIOTECHDS, CABA, FROSTI, FSTA, IFIPAT, JICST-EPLUS, LIFESCI, PASCAL, PROMT, SCISEARCH, USPATFULL, USPAT2' ENTERED AT 16:59:19 ON 01 OCT 2003

L3 48 S L2

L4 41 DUP REM L3 (7 DUPLICATES REMOVED)

L5 17 S L4 AND SUCROSE

=>

d 15 1-17

L5 ANSWER 1 OF 17 CABA COPYRIGHT 2003 CABI on STN  
AN 2002:158155 CABA  
DN 20013153981  
TI Selection of liquid medium for **culturing Agaricus blazei**  
AU Zhou XuanGuo; Zhou, X. G.  
CS Shaanxi Key Laboratory of Resource Biology, Hanzhong Normal College, Hanzhong, Shaanxi 723000, China.  
SO Edible Fungi of China, (2001) Vol. 20, No. 2, pp. 32-34. 3 ref.  
DT Journal  
LA Chinese  
SL English

L5 ANSWER 2 OF 17 CABA COPYRIGHT 2003 CABI on STN  
AN 1998:170394 CABA  
DN 981613369  
TI Protoplast isolation and regeneration in **Agaricus bisporus** strain MS 39  
AU Gupta, U.; Cheema, G. S.; Sodhi, H. S.; Phutela, R. P.  
CS Department of Microbiology, Punjab Agricultural University, Ludhiana 141 004, India.  
SO Mushroom Research, (1997) Vol. 6, No. 2, pp. 59-62. 14 ref.  
DT Journal  
LA English

L5 ANSWER 3 OF 17 FSTA COPYRIGHT 2003 IFIS on STN  
AN 1972(04):G0216 FSTA  
TI Effect of different carbon compounds on the submerged production of **Agaricus campestris** mycelium.  
AU Guha, A. K.; Banerjee, A. B.  
CS Dept. of Biochem., Univ., Calcutta 19, India  
SO Journal of Food Science and Technology (Mysore), (1971), 8 (2) 82-83, 8 ref.  
DT Journal  
LA English

L5 ANSWER 4 OF 17 IFIPAT COPYRIGHT 2003 IFI on STN  
AN 10261087 IFIPAT;IFIUDB;IFICDB  
TI METHOD FOR **CULTURING EDIBLE FUNGUS**  
IN Isoda Hiroko (JP); Maekawa Takaaki (JP)  
PA Unassigned Or Assigned To Individual (68000)  
PI US 2003005488 A1 20030102  
AI US 2002-54905 20020125  
PRAI JP 2001-18505 20010126  
FI US 2003005488 20030102  
DT Utility; Patent Application - First Publication  
FS CHEMICAL APPLICATION  
CLMN 2  
GI 1 Figure(s).  
FIG. 1 is an apparatus system diagram including a schematic cross sectional illustration showing an example of the bioreactor suitable for practicing the method of the present invention.

L5 ANSWER 5 OF 17 JICST-EPlus COPYRIGHT 2003 JST on STN  
AN 1020572850 JICST-EPlus  
TI Functional Foodstuff Development by Liquid **Culture** of **Edible Fungi**. (Part 1). Effects of substrates on mycelium and .BETA.-glucan productions in **Agaricus blazei** Murill.  
AU MAEKAWA T; INTABON K; SUGIURA N; ISODA H; AKAZAWA U  
CS Univ. Tsukuba, Tsukuba, Jpn  
SO Nogyo Shisetsu (Journal of the Society of Agricultural Structures, Japan),

(2002) vol. 33, no. 1, pp. 27-33. Journal Code: L0964A (Fig. 3, Tbl. 4, Ref. 17)

ISSN: 0388-8517

CY Japan  
DT Journal; Article  
LA English  
STA New

L5 ANSWER 6 OF 17 USPATFULL on STN  
AN 2003:251604 USPATFULL  
TI Product of heat treatment of uronic acid, food, drink or drug including the product  
IN Koyama, Nobuto, Otsu-shi, JAPAN  
Sagawa, Hiroaki, Otsu-shi, JAPAN  
Kobayashi, Eiji, Otsu-shi, JAPAN  
Enoki, Tatsuji, Otsu-shi, JAPAN  
Wu, Hua-Kang, Otsu-shi, JAPAN  
Nishiyama, Eiji, Otsu-shi, JAPAN  
Deguchi, Suzu, Otsu-shi, JAPAN  
Ikai, Katsushige, Otsu-shi, JAPAN  
Ohnogi, Hiromu, Otsu-shi, JAPAN  
Ueda, Motoko, Otsu-shi, JAPAN  
Kondo, Akihiro, Otsu-shi, JAPAN  
Kato, Ikunoshin, Otsu-shi, JAPAN  
PI US 2003176393 A1 20030918  
AI US 2002-259507 A1 20020930 (10)  
RLI Division of Ser. No. US 1998-125397, filed on 18 Aug 1998, GRANTED, Pat. No. US 6482806 A 371 of International Ser. No. WO 1997-JP527, filed on 25 Feb 1997, UNKNOWN  
PRAI JP 1996-85972 19960315  
JP 1996-174411 19960614  
JP 1996-233719 19960816  
JP 1996-275231 19960927  
JP 1996-325900 19961122  
DT Utility  
FS APPLICATION  
LN.CNT 2476  
INCL INCLM: 514/054.000  
INCLS: 514/056.000; 514/023.000  
NCL NCLM: 514/054.000  
NCLS: 514/056.000; 514/023.000  
IC [7]  
ICM: A61K031-727  
ICS: A61K031-728; A61K031-737; A61K031-732; A61K031-734; A61K031-7012

L5 ANSWER 7 OF 17 USPATFULL on STN  
AN 2003:152340 USPATFULL  
TI Hyaluronidase activity and allergenic cell activity inhibitor  
IN Maekawa, Takaaki, Inashiki-gun, JAPAN  
Isoda, Hiroko, Tsukuba-shi, JAPAN  
PI US 2003104006 A1 20030605  
AI US 2002-239747 A1 20020926 (10)  
WO 2001-JP2236 20010321  
PRAI JP 2000-136283 20000509  
DT Utility  
FS APPLICATION  
LN.CNT 426  
INCL INCLM: 424/195.150  
INCLS: 435/254.100  
NCL NCLM: 424/195.150  
NCLS: 435/254.100  
IC [7]  
ICM: A61K035-84  
ICS: C12N001-16

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 17 USPATFULL on STN  
AN 2003:64304 USPATFULL  
TI Novel immune enhancing compositions  
IN Matsunaga, Kenichi, Saitama, JAPAN  
PI US 2003044424 A1 20030306  
AI US 2002-169779 A1 20020703 (10)  
WO 2000-JP9383 20001228  
PRAI JP 2000-374 20000105  
DT Utility  
FS APPLICATION  
LN.CNT 1216  
INCL INCLM: 424/195.150  
NCL NCLM: 424/195.150  
IC [7]  
ICM: A61K035-84

L5 ANSWER 9 OF 17 USPATFULL on STN  
AN 2002:303982 USPATFULL  
TI Product of heat treatment of uronic acid, food, drink, or drug including the product  
IN Koyama, Nobuto, Otsu, JAPAN  
Sagawa, Hiroaki, Otsu, JAPAN  
Kobayashi, Eiji, Otsu, JAPAN  
Enoki, Tatsuji, Otsu, JAPAN  
Wu, Hua-Kang, Otsu, JAPAN  
Nishiyama, Eiji, Otsu, JAPAN  
Deguchi, Suzu, Otsu, JAPAN  
Ikai, Katsushige, Otsu, JAPAN  
Ohnogi, Hiromu, Otsu, JAPAN  
Ueda, Motoko, Otsu, JAPAN  
Kondo, Akihiro, Otsu, JAPAN  
Kato, Ikunoshin, Otsu, JAPAN  
PA Takara Shuzo Co., Ltd., Kyoto, JAPAN (non-U.S. corporation)  
PI US 6482806 B1 20021119  
WO 9733593 19970918  
AI US 1998-125397 19980818 (9)  
WO 1997-JP527 19970225  
PRAI JP 1996-85972 19960315  
JP 1996-174411 19960614  
JP 1996-233719 19960816  
JP 1996-275231 19960927  
JP 1996-325900 19961122  
DT Utility  
FS GRANTED  
LN.CNT 2308  
INCL INCLM: 514/054.000  
INCLS: 514/056.000; 514/062.000  
NCL NCLM: 514/054.000  
NCLS: 514/056.000; 514/062.000  
IC [7]  
ICM: A61K031-727  
ICS: A61K031-728; A61K031-732; A61K031-734; A61K031-715; A61P035-00  
EXF 424/440; 514/54; 514/56; 514/62; 514/557; 514/451  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 10 OF 17 USPATFULL on STN  
AN 2002:294730 USPATFULL  
TI Process for producing, methods and compositions of glucuronoxylomannan as nutraceutical agent from higher basidiomycetes mushroom  
IN Wasser, Solomon P., Haifa, ISRAEL  
Reshetnikov, Sergey V., Kiev, UKRAINE  
PI US 2002164773 A1 20021107

AI US 2002-84544 A1 20020226 (10)  
RLI Division of Ser. No. US 1999-419207, filed on 15 Oct 1999, GRANTED, Pat.  
No. US 6383799  
DT Utility  
FS APPLICATION  
LN.CNT 745  
INCL INCLM: 435/254.100  
INCLS: 424/195.150  
NCL NCLM: 435/254.100  
NCLS: 424/195.150  
IC [7]  
ICM: C12N001-16  
ICS: A61K035-84; A01N065-00; C12N001-14; C12N001-18  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 17 USPATFULL on STN  
AN 2002:251210 USPATFULL  
TI Process for producing, methods and compositions of glucuronoxylomannan  
as nutraceutical agent from higher Basidiomycetes mushroom  
IN Wasser, Solomon P., Haifa, ISRAEL  
Reshetnikov, Sergey V., Kiev, UKRAINE  
PI US 2002137155 A1 20020926  
AI US 2002-84517 A1 20020226 (10)  
RLI Division of Ser. No. US 1999-419205, filed on 15 Oct 1999, GRANTED, Pat.  
No. US 6372462  
DT Utility  
FS APPLICATION  
LN.CNT 951  
INCL INCLM: 435/171.000  
INCLS: 435/255.210  
NCL NCLM: 435/171.000  
NCLS: 435/255.210  
IC [7]  
ICM: C12P001-02  
ICS: C12N001-14; C12N001-16; C12N001-18  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 12 OF 17 USPATFULL on STN  
AN 2002:102311 USPATFULL  
TI Process for producing, methods and compositions of glucuronoxylomannan  
as nutraceutical agent from higher basidiomycetes mushroom  
IN Wasser, Solomon P., Haifa, ISRAEL  
Reshetnikov, Sergey V., Kiev, UKRAINE  
PA MedMyco Ltd., Haifa, ISRAEL (non-U.S. corporation)  
PI US 6383799 B1 20020507  
AI US 1999-419207 19991015 (9)  
DT Utility  
FS GRANTED  
LN.CNT 656  
INCL INCLM: 435/254.100  
INCLS: 047/001.100  
NCL NCLM: 435/254.100  
NCLS: 047/001.100  
IC [7]  
ICM: C12N001-14  
ICS: C12N001-16; C12N001-18  
EXF 047/1; 071/5; 426/7; 800/297; 260/112.5; 424/115; 424/116; 424/123;  
435/254.1; 435/244  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 13 OF 17 USPATFULL on STN  
AN 2001:139155 USPATFULL  
TI PROCESS FOR PRODUCING, METHODS AND COMPOSITIONS OF CHOLESTEROL LOWERING  
AGENTS FROM HIGHER BASIDIOMYCETES MUSHROOMS

IN WASSER, SOLOMON P., HAIFA, Israel  
 RESHETNIKOV, SERGEY V., KIEV, Ukraine  
 PI US 2001016197 A1 20010823  
 US 6372462 B2 20020416  
 AI US 1999-419205 A1 19991015 (9)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 962  
 INCL INCLM: 424/195.150  
 NCL NCLM: 435/171.000  
 NCLS: 424/195.150; 435/254.100; 435/256.800  
 IC [7]  
 ICM: A61K035-84

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 14 OF 17 USPATFULL on STN  
 AN 2001:36460 USPATFULL  
 TI Process for obtaining a dehydrated food composition containing live  
 probiotic lactic acid bacteria  
 IN Meister, Niklaus, Grosshoechstetten, Switzerland  
 Sutter, Andreas, Le Mont-S/Lausanne, Switzerland  
 Vikas, Martin, Konolfingen, Switzerland  
 PA Nestec S.A., Vevey, Switzerland (non-U.S. corporation)  
 PI US 6200609 B1 20010313  
 WO 9810666 19980319  
 AI US 1999-242639 19990222 (9)  
 WO 1997-EP4922 19970903  
 19990222 PCT 371 date  
 19990222 PCT 102(e) date  
 PRAI EP 1996-202517 19961009  
 DT Utility  
 FS Granted  
 LN.CNT 480  
 INCL INCLM: 426/061.000  
 INCLS: 042/471.000; 042/491.000  
 NCL NCLM: 426/061.000  
 NCLS: 426/491.000  
 IC [7]  
 ICM: A23C001-04  
 EXF 426/471; 426/580; 426/61; 426/42; 426/52; 426/588; 426/317; 426/330.2;  
 426/334; 426/455; 426/456; 426/490; 426/491; 435/177

L5 ANSWER 15 OF 17 USPATFULL on STN  
 AN 2000:1568 USPATFULL  
 TI Spray-drying process  
 IN Meister, Niklaus, Grosshoechstetten, Switzerland  
 Aebischer, Jurg, Liebefeld, Switzerland  
 Vikas, Martin, Konolfingen, Switzerland  
 Eyer, Kurt, Thun, Switzerland  
 De Pasquale, David, Konoflingen, Switzerland  
 PA Nestec S.A., Vevey, Switzerland (non-U.S. corporation)  
 PI US 6010725 20000104  
 AI US 1997-877801 19970618 (8)  
 PRAI EP 1996-201922 19960709  
 EP 1996-202518 19960910  
 DT Utility  
 FS Granted  
 LN.CNT 675  
 INCL INCLM: 426/061.000  
 INCLS: 426/471.000  
 NCL NCLM: 426/061.000  
 NCLS: 426/471.000  
 IC [6]  
 ICM: A23C001-04

ICS: A23L003-46; A23L003-3463  
EXF 426/61; 426/531; 426/389; 426/402; 426/403; 426/407; 426/443; 426/465;  
426/471

L5 ANSWER 16 OF 17 USPATFULL on STN  
AN 91:17297 USPATFULL  
TI Novel interspecific mushroom strains  
IN Dahlberg, Kurt R., Napoleon, OH, United States  
PA Campbell Soup Company, Camden, NJ, United States (U.S. corporation)  
PI US 4996390 19910226  
AI US 1989-298727 19890119 (7)  
DT Utility  
FS Granted

LN.CNT 721  
INCL INCLM: 800/220.000  
INCLS: 047/001.100; 047/058.000; 800/DIG.008

NCL NCLM: 800/297.000  
NCLS: 047/001.100

IC [5]

ICM: A01H015-00

EXF 800/1; 800/220; 800/230; 800/DIG.8; 047/1.1; 047/58; Plt/89

L5 ANSWER 17 OF 17 USPATFULL on STN  
AN 81:40931 USPATFULL  
TI Process for producing lipids having a high linoleic acid content  
IN Suzuki, Osamu, Yatabe, Japan  
Jigami, Yoshifumi, Yatabe, Japan  
Nakasato, Satoshi, Yatabe, Japan  
Hashimoto, Tetsutaro, Yatabe, Japan  
PA The Agency of Industrial Science and Technology, Tokyo, Japan (non-U.S.  
government)

PI US 4281064 19810728  
AI US 1979-107869 19791228 (6)  
PRAI JP 1979-18228 19790219

DT Utility  
FS Granted

LN.CNT 323

INCL INCLM: 435/134.000  
INCLS: 435/136.000; 435/171.000; 435/252.000; 435/254.000

NCL NCLM: 435/134.000  
NCLS: 435/136.000; 435/171.000; 435/252.000; 435/254.100; 435/256.800

IC [3]

ICM: C12P007-64

EXF 435/135; 435/134; 435/171; 435/252; 435/254; 435/136

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

OCT 2003

L3 48 S L2  
L4 41 DUP REM L3 (7 DUPLICATES REMOVED)  
L5 17 S L4 AND SUCROSE

=> s l5 and maltose

L6 2 L5 AND MALTOSE

=> d l6 1-2

L6 ANSWER 1 OF 2 FSTA COPYRIGHT 2003 IFIS on STN  
AN 1972(04):G0216 FSTA  
TI Effect of different carbon compounds on the submerged production of  
**Agaricus campestris** mycelium.  
AU Guha, A. K.; Banerjee, A. B.  
CS Dept. of Biochem., Univ., Calcutta 19, India  
SO Journal of Food Science and Technology (Mysore), (1971), 8 (2) 82-83, 8  
ref.  
DT Journal  
LA English

L6 ANSWER 2 OF 2 IFIPAT COPYRIGHT 2003 IFI on STN  
AN 10261087 IFIPAT;IFIUDB;IFICDB  
TI METHOD FOR **CULTURING EDIBLE FUNGUS**  
IN Isoda Hiroko (JP); Maekawa Takaaki (JP)  
PA Unassigned Or Assigned To Individual (68000)  
PI US 2003005488 A1 20030102  
AI US 2002-54905 20020125  
PRAI JP 2001-18505 20010126  
FI US 2003005488 20030102  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION

CLMN 2

GI 1 Figure(s).

FIG. 1 is an apparatus system diagram including a schematic cross sectional illustration showing an example of the bioreactor suitable for practicing the method of the present invention.

=>



16 1-2

L6 ANSWER 1 OF 2 FSTA COPYRIGHT 2003 IFIS on STN  
AN 1972(04):G0216 FSTA  
TI Effect of different carbon compounds on the submerged production of  
**Agaricus** campestris mycelium.  
AU Guha, A. K.; Banerjee, A. B.  
CS Dept. of Biochem., Univ., Calcutta 19, India  
SO Journal of Food Science and Technology (Mysore), (1971), 8 (2) 82-83, 8  
ref.  
DT Journal  
LA English

L6 ANSWER 2 OF 2 IFIPAT COPYRIGHT 2003 IFI on STN  
AN 10261087 IFIPAT;IFIUDB;IFICDB  
TI METHOD FOR **CULTURING EDIBLE FUNGUS**  
IN Isoda Hiroko (JP); Maekawa Takaaki (JP)  
PA Unassigned Or Assigned To Individual (68000)  
PI US 2003005488 A1 20030102  
AI US 2002-54905 20020125  
PRAI JP 2001-18505 20010126  
FI US 2003005488 20030102  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION

CLMN 2

GI 1 Figure(s).

FIG. 1 is an apparatus system diagram including a schematic cross sectional illustration showing an example of the bioreactor suitable for practicing the method of the present invention.

=> d 16 1 ab

L6 ANSWER 1 OF 2 FSTA COPYRIGHT 2003 IFIS on STN  
AB **A. campestris** was grown in a medium containing/l.: carbon source, 20 g; NaNO.sub.3, 10 g; KCl, 0.5 g; MgSO.sub.4.7 H.sub.2O, 0.5 g; KH.sub.2PO.sub.4, 1.0 g; FeSO.sub.4.7 H.sub.2O, trace; **yeast extract** 2 g. After incubation at 30.degree.C for 7 days on a rotary shaker (120 cycles/min), mannitol and glucose produced the heaviest wt. of mycelium/l. (3.8 and 3.4 g respectively) followed by xylose (3.2 g), fructose (2.6 g), **maltose** (2.4 g), lactose (1.9 g), glycerol and arabinose (1.8 g) and **sucrose** (1.4 g). Galactose, rhamnose, raffinose, sodium acetate and sodium citrate produced little or no growth. Protein yields (as mg/l. of medium) decreased in the order: mannitol (1178), glucose (970), xylose (864), glycerol (837), fructose (728), **maltose** (662), arabinose (557), lactose (523), **sucrose** (336). The variable nutritional requirements of different strains of **A. campestris** are discussed. [See also FSTA (1970) 2 12G427].

=> d 16 1

L6 ANSWER 1 OF 2 FSTA COPYRIGHT 2003 IFIS on STN  
AN 1972(04):G0216 FSTA  
TI Effect of different carbon compounds on the submerged production of  
**Agaricus** campestris mycelium.  
AU Guha, A. K.; Banerjee, A. B.  
CS Dept. of Biochem., Univ., Calcutta 19, India  
SO Journal of Food Science and Technology (Mysore), (1971), 8 (2) 82-83, 8  
ref.  
DT Journal  
LA English

=> d 16 1 ab

L6 ANSWER 1 OF 2 FSTA COPYRIGHT 2003 IFIS on STN

AB A. campestris was grown in a medium containing/l.: carbon source, 20 g; NaNO.sub.3, 10 g; KCl, 0.5 g; MgSO.sub.4.7 H.sub.2O, 0.5 g; KH.sub.2PO.sub.4, 1.0 g; FeSO.sub.4.7 H.sub.2O, trace; **yeast extract** 2 g. After incubation at 30.degree.C for 7 days on a rotary shaker (120 cycles/min), mannitol and glucose produced the heaviest wt. of mycelium/l. (3.8 and 3.4 g respectively) followed by xylose (3.2 g), fructose (2.6 g), **maltose** (2.4 g), lactose (1.9 g), glycerol and arabinose (1.8 g) and **sucrose** (1.4 g). Galactose, rhamnose, raffinose, sodium acetate and sodium citrate produced little or no growth. Protein yields (as mg/l. of medium) decreased in the order: mannitol (1178), glucose (970), xylose (864), glycerol (837), fructose (728), **maltose** (662), arabinose (557), lactose (523), **sucrose** (336). The variable nutritional requirements of different strains of A. campestris are discussed. [See also FSTA (1970) 2 12G427].

=>

> d 16 1

L6 ANSWER 1 OF 2 FSTA COPYRIGHT 2003 IFIS on STN  
AN 1972(04):G0216 FSTA  
TI Effect of different carbon compounds on the submerged production of  
**Agaricus** campestris mycelium.  
AU Guha, A. K.; Banerjee, A. B.  
CS Dept. of Biochem., Univ., Calcutta 19, India  
SO Journal of Food Science and Technology (Mysore), (1971), 8 (2) 82-83, 8  
ref.  
DT Journal  
LA English

=> d 16 1 ab

L6 ANSWER 1 OF 2 FSTA COPYRIGHT 2003 IFIS on STN  
AB A. campestris was grown in a medium containing/l.: carbon source, 20 g;  
NaNO.sub.3, 10 g; KCl, 0.5 g; MgSO.sub.4.7 H.sub.2O, 0.5 g;  
KH.sub.2PO.sub.4, 1.0 g; FeSO.sub.4.7 H.sub.2O, trace; **yeast**  
**extract** 2 g. After incubation at 30.degree.C for 7 days on a  
rotary shaker (120 cycles/min), mannitol and glucose produced the heaviest  
wt. of mycelium/l. (3.8 and 3.4 g respectively) followed by xylose (3.2  
g), fructose (2.6 g), **maltose** (2.4 g), lactose (1.9 g), glycerol  
and arabinose (1.8 g) and **sucrose** (1.4 g). Galactose, rhamnose,  
raffinose, sodium acetate and sodium citrate produced little or no growth.  
Protein yields (as mg/l. of medium) decreased in the order: mannitol  
(1178), glucose (970), xylose (864), glycerol (837), fructose (728),  
**maltose** (662), arabinose (557), lactose (523), **sucrose**  
(336). The variable nutritional requirements of different strains of A.  
campestris are discussed. [See also FSTA (1970) 2 12G427].

=>